

AMENDMENTS TO THE SPECIFICATION:

Please amend this application on page 1, line 1, by inserting the following new paragraph:

This is a division of Application No. 10/143,669, filed May 13, 2002, which is incorporated herein by reference.

Please replace Table 3 on pages 18 and 19 of the specification with the following amended Table.

Table 3

Classification	Reforming Catalyst	Nickel Content* (wt.%)	750°C,Initial Activity		750°C,After 200min		Catalyst Activity Ratio (A/B)
			X (CH ₄)** (%)	H ₂ Yield (%)	X (CH ₄)** (%)	H ₂ Yield (%)	
Ex. 1	Ni/Ce-ZrO ₂ / θ-A ₁ O ₃ [[₃ m]]	564 3	91.2	102	92.0	102	1.00/1.00
Ex. 2	Ni/Ce-ZrO ₂ / θ-A ₁ O ₃	6	94.9	101	95.0	103	1.00/1.02
Ex. 3	Ni/Ce-ZrO ₂ / θ-A ₁ O ₃	12	97.4	104	99.1	107	1.02/1.03
Ex. 4	Ni/Ce-ZrO ₂ / θ-A ₁ O ₃	15	96.5	102	97.9	104	1.01/1.02
Ex. 5	Ni/La-ZrO ₂ / θ-A ₁ O ₃	12	89.7	98	90.5	99	1.01/1.01
Ex. 6	Ni-Ca/Ce-Zr O ₂ /θ-A ₁ O ₃	12	92.3	103	92.7	104	1.00/1.01
Ex. 7	Ni-Mg/La- ZrO ₂ /θ-A ₁ O ₃	12	88.5	97	90.0	98	1.02/1.01

Ex. 8	Ni/Ca-Y-Zr O_2/Θ -Al ₂ O ₃	12	89.3	98	89.5	98	1.00/1.00
Ex. 9	Ni/Ca/Ce-Mg-ZrO ₂ /θ-Al ₂ O ₃	12	91.5	102	92.0	103	1.01/1.01

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Classification	Reforming Catalyst	Nickel Content* (wt.%)	750°C. Initial Activity		750°C. After 200min		Catalyst Activity Ratio (A/B)
			X (CH ₄)** (%)	H ₂ Yield (%)	X (CH ₄)** (%)	H ₂ Yield (%)	
Ex. 10	Ni-Ca-Cs/La-ZrO ₂ /θ-A1 ₂ O ₃	12	88.8	97	88.1	97	0.99/1.00
Com. Ex. 1	Ni/Ce-ZrO ₂ /θ-A1 ₂ O ₃	2	3.9	4.3	2.2	2.5	0.56/0.58
Com. Ex. 2	Ni/θ-A1 ₂ O ₃	3	3.4	4.8	2.8	4.4	0.82/0.92
Com. Ex. 3	Ni/α-A1 ₂ O ₃	15	77.1	81	65.5	68	0.85/0.84
Com. Ex. 4	Ni/MgA1 ₂ O ₄	15	93.1	97	91.0	95	0.98/0.98

Note:

*Nickel Content (wt.%): against θ-A1₂O₃

**X (CH₄): methane conversion

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